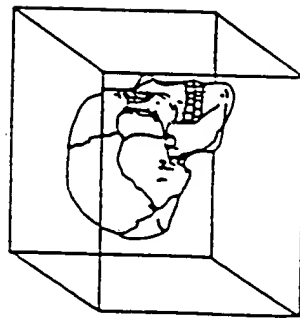
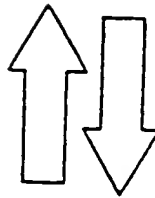


FIG. 1  
PRIOR ART



PRE-SURGICAL SCANS  
(IMAGE DATASET)

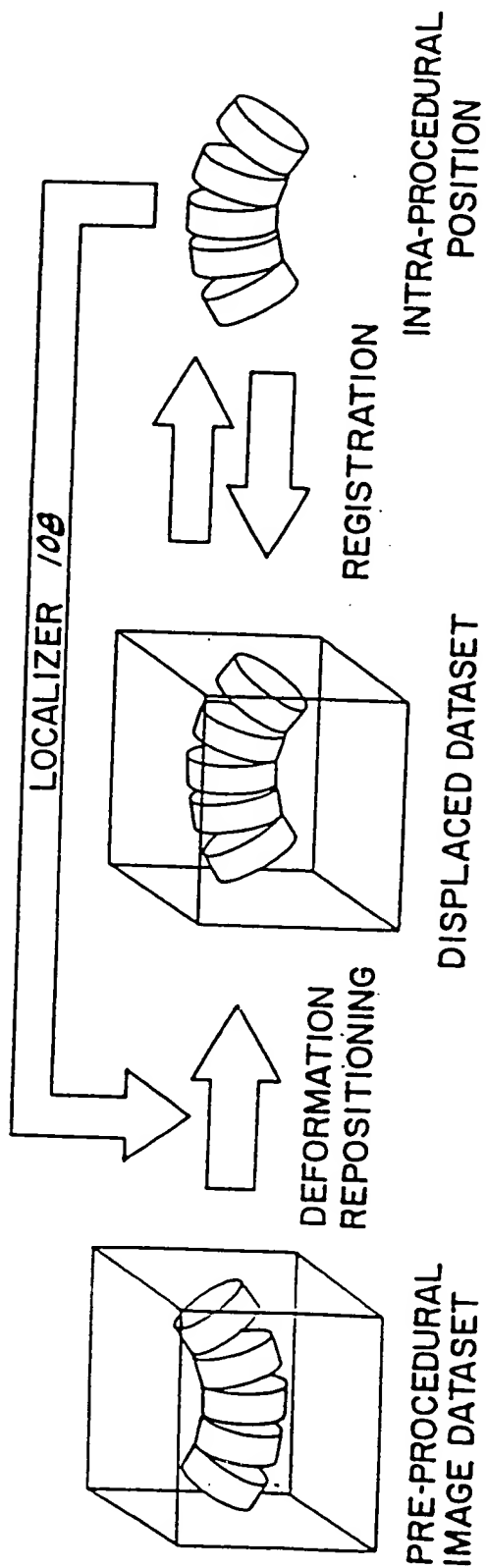


REGISTRATION



POSITION IN  
SURGERY

Fig. 2A



PRE-PROCEDURAL  
IMAGE DATASET

## DEFORMATION REPOSITIONING

## DISPLACED DATASET

# REGISTRATION

**INTRA-PROCEDURAL  
POSITION**

FIG. 2B

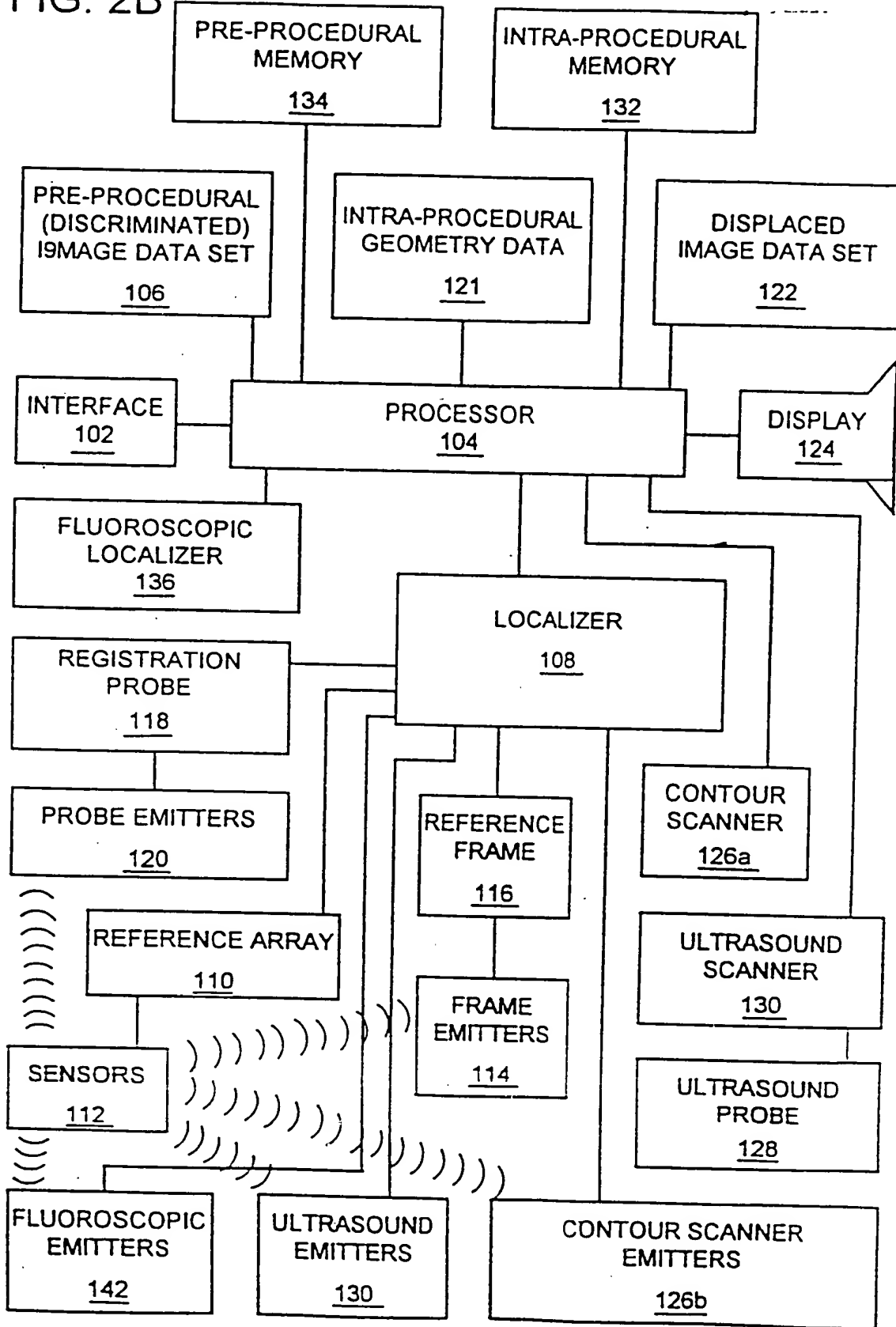


FIG. 3

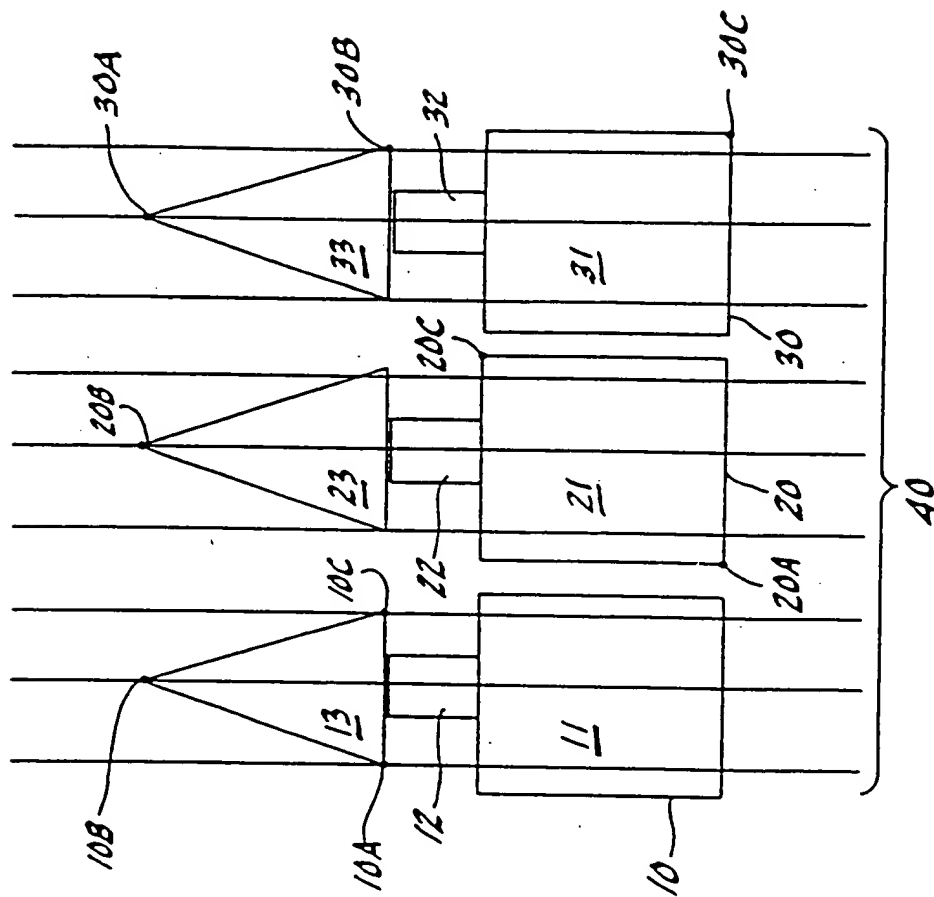


FIG. 4

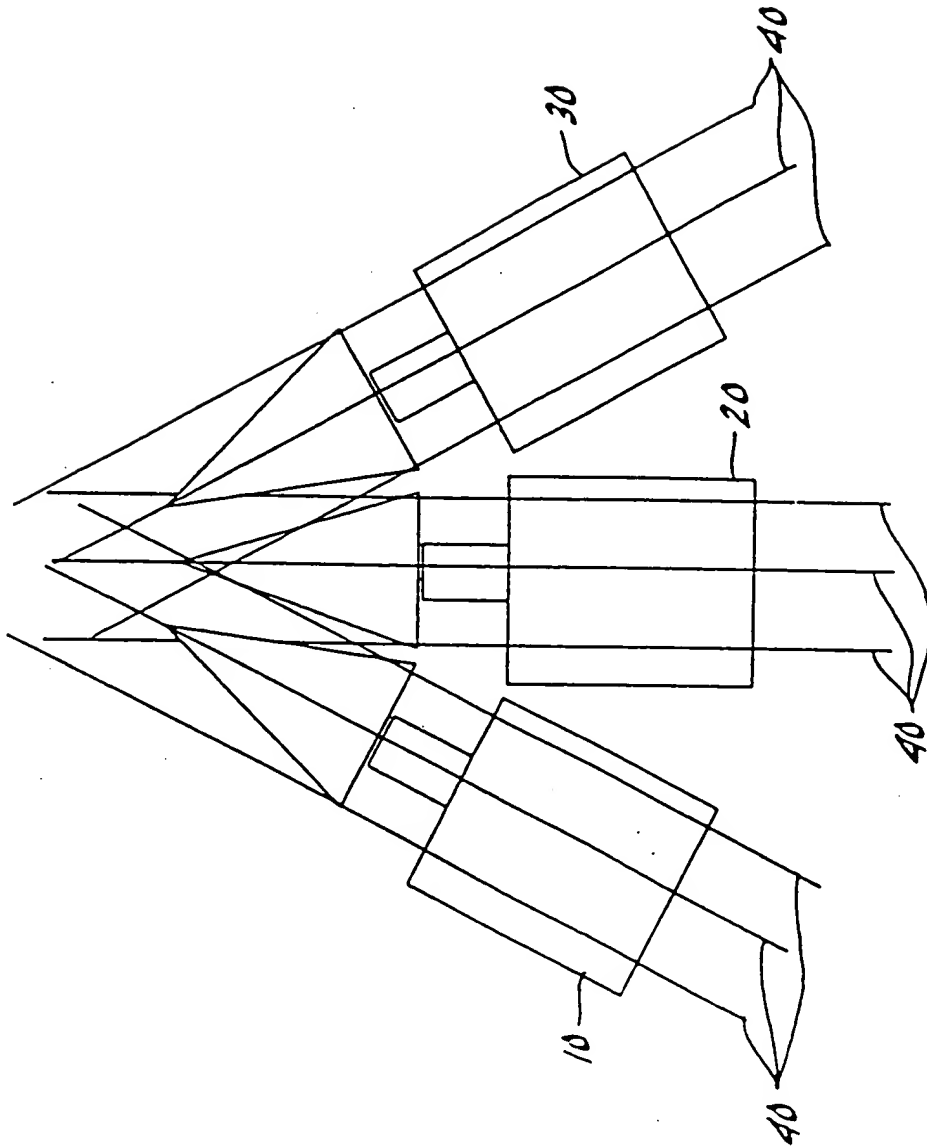
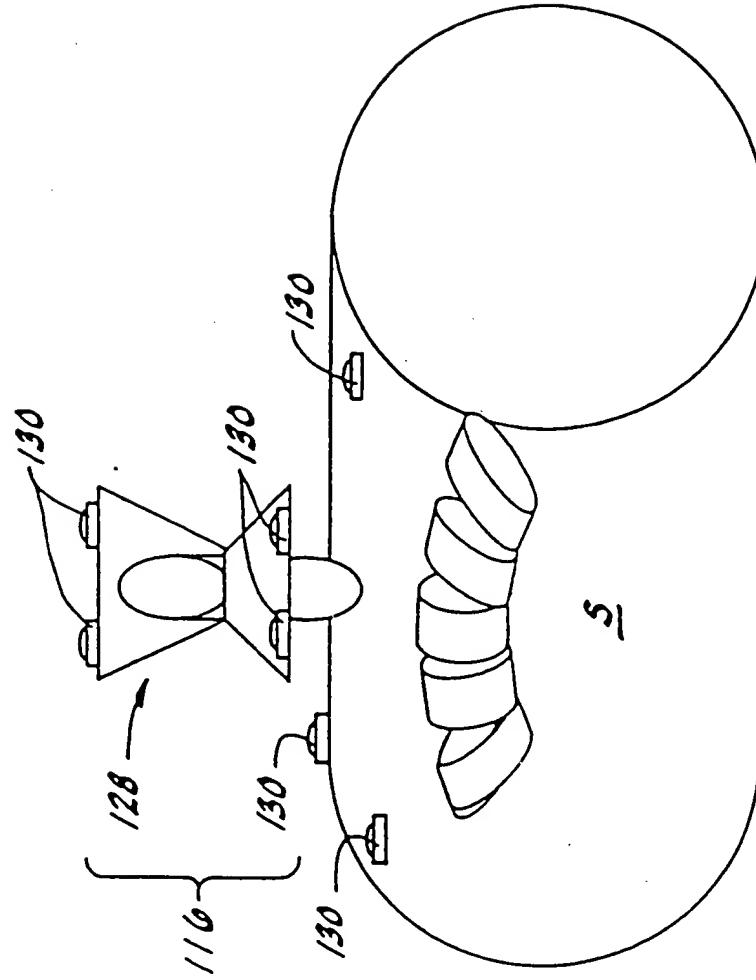




FIG. 6



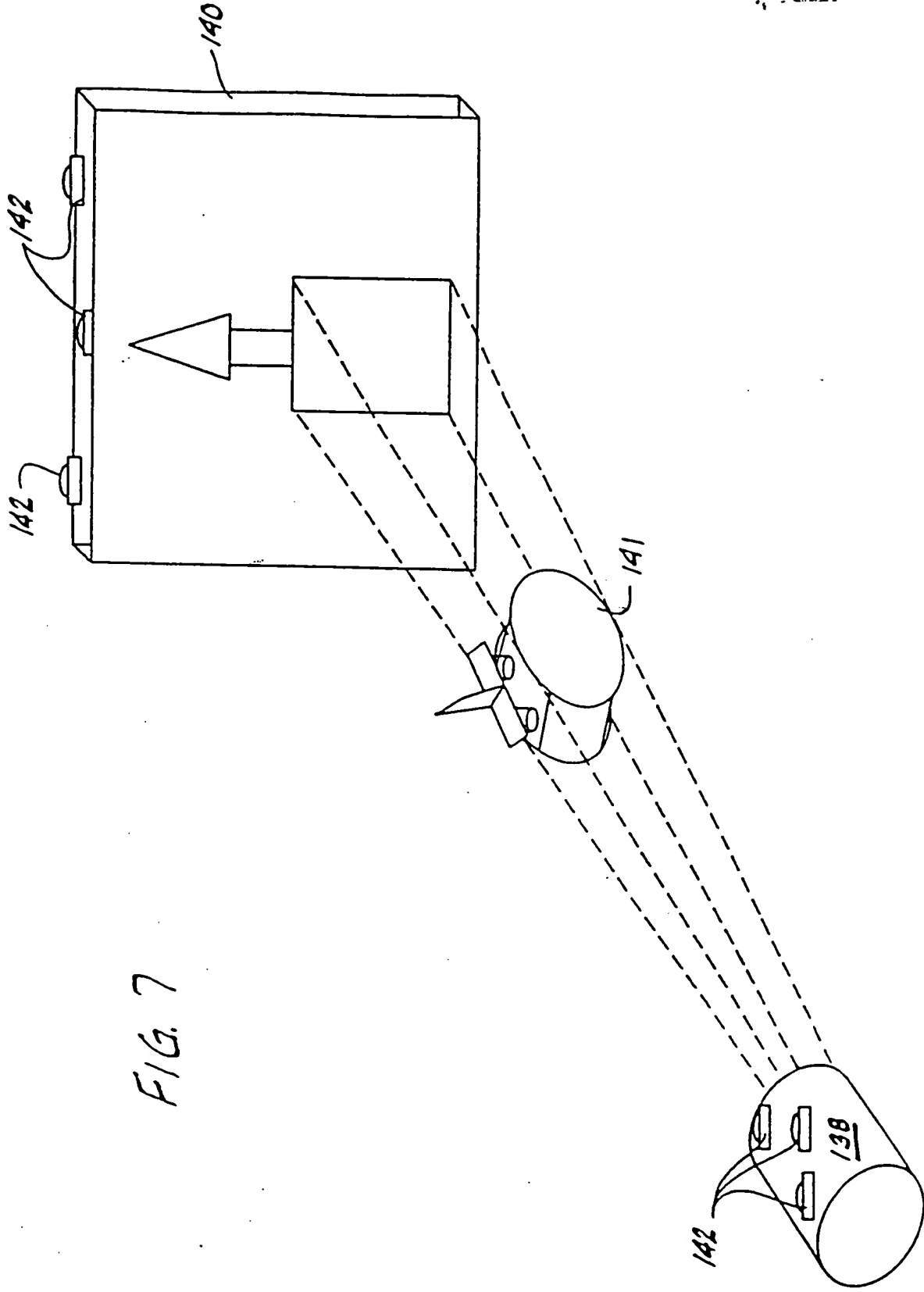


FIG. 7



FIG. 8

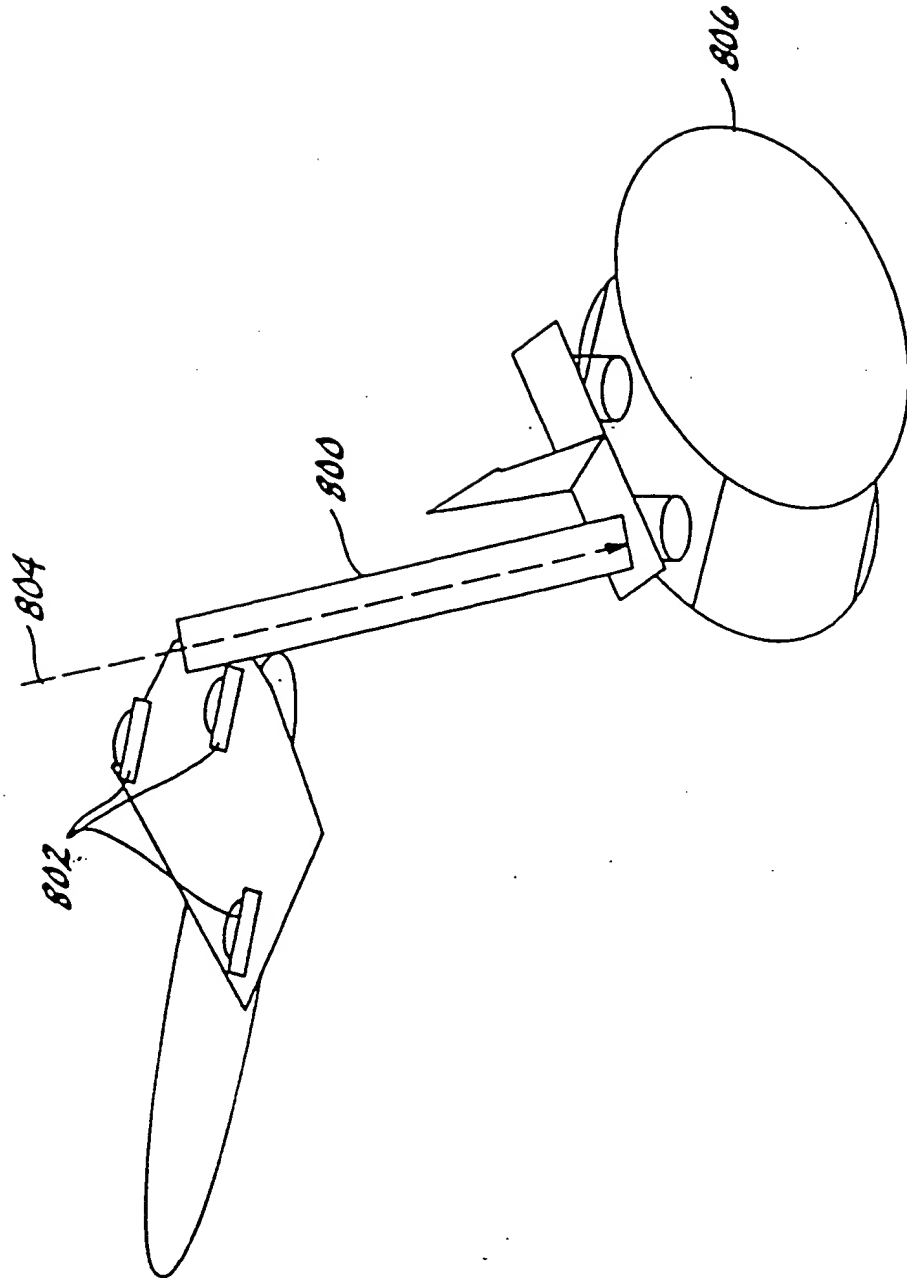


FIG. 9

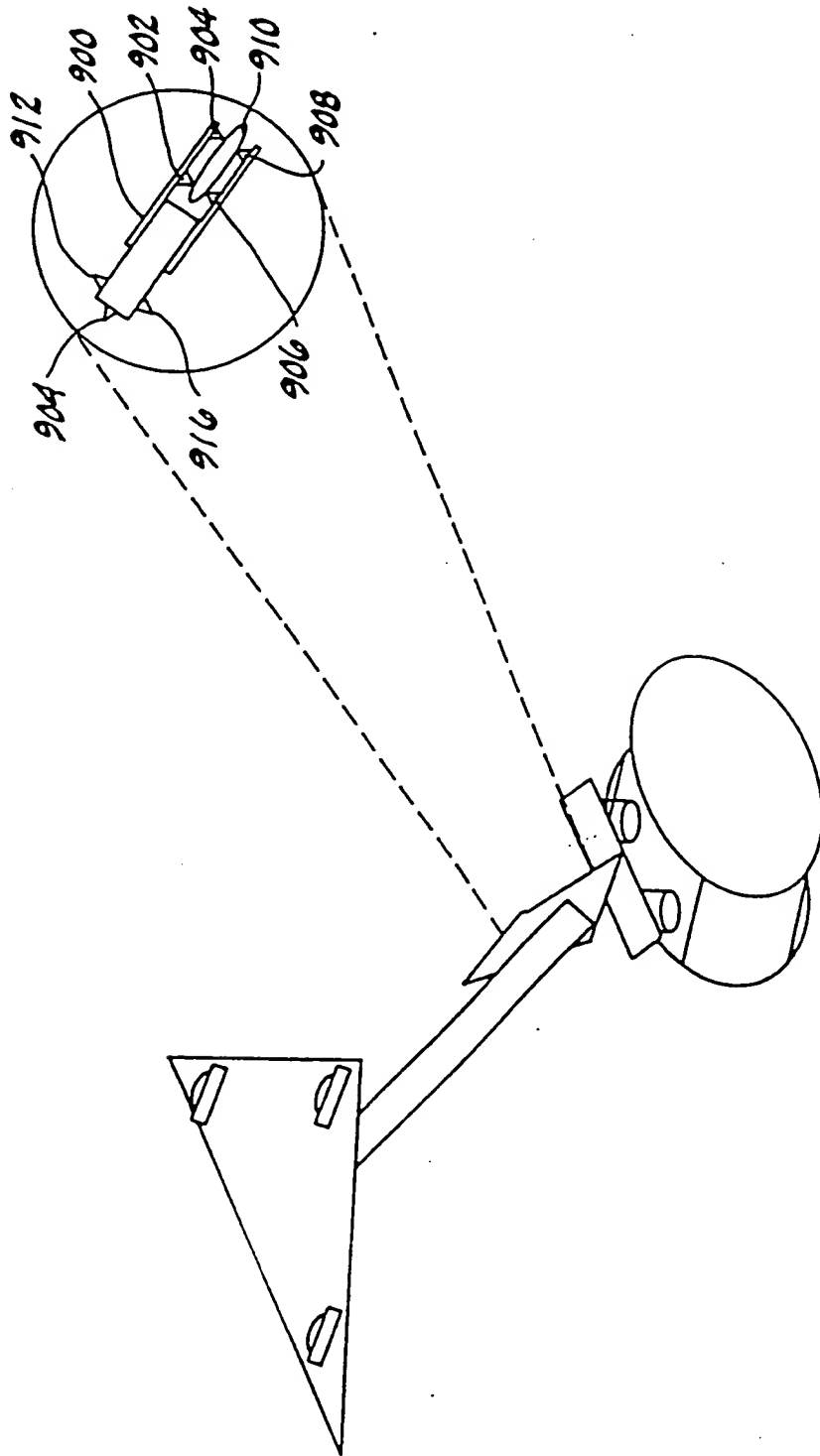


FIG. 9

FIG. 10

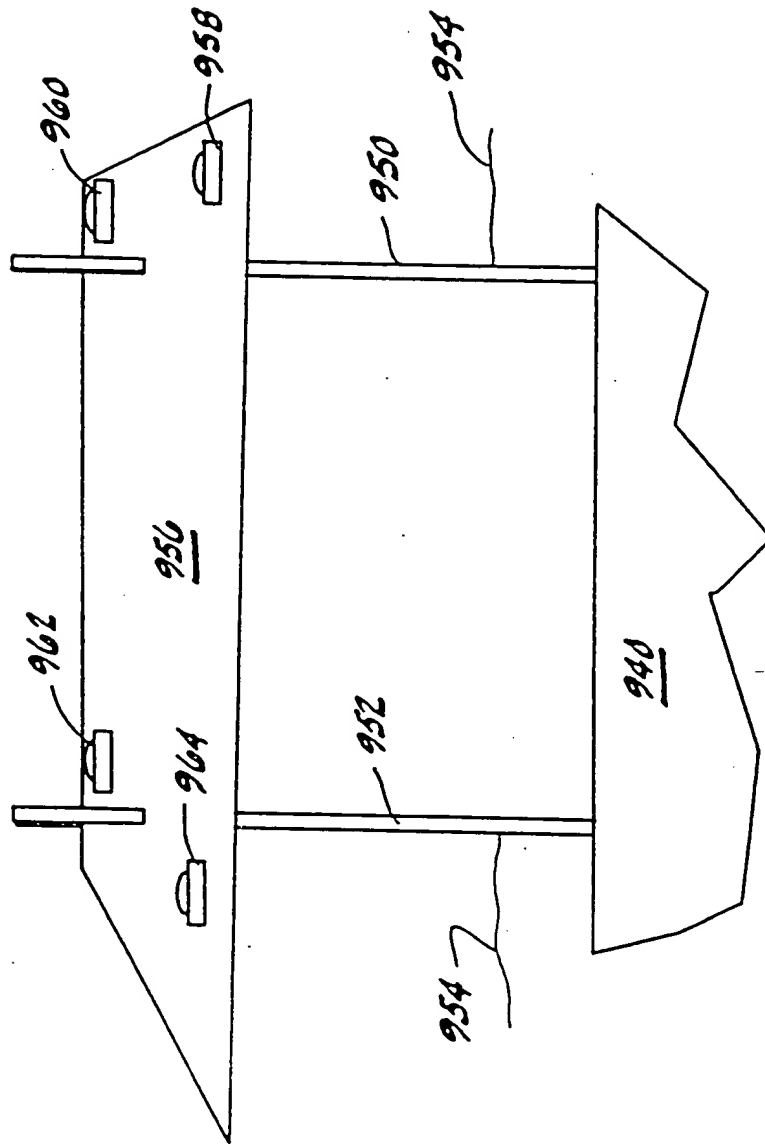


FIG. 11

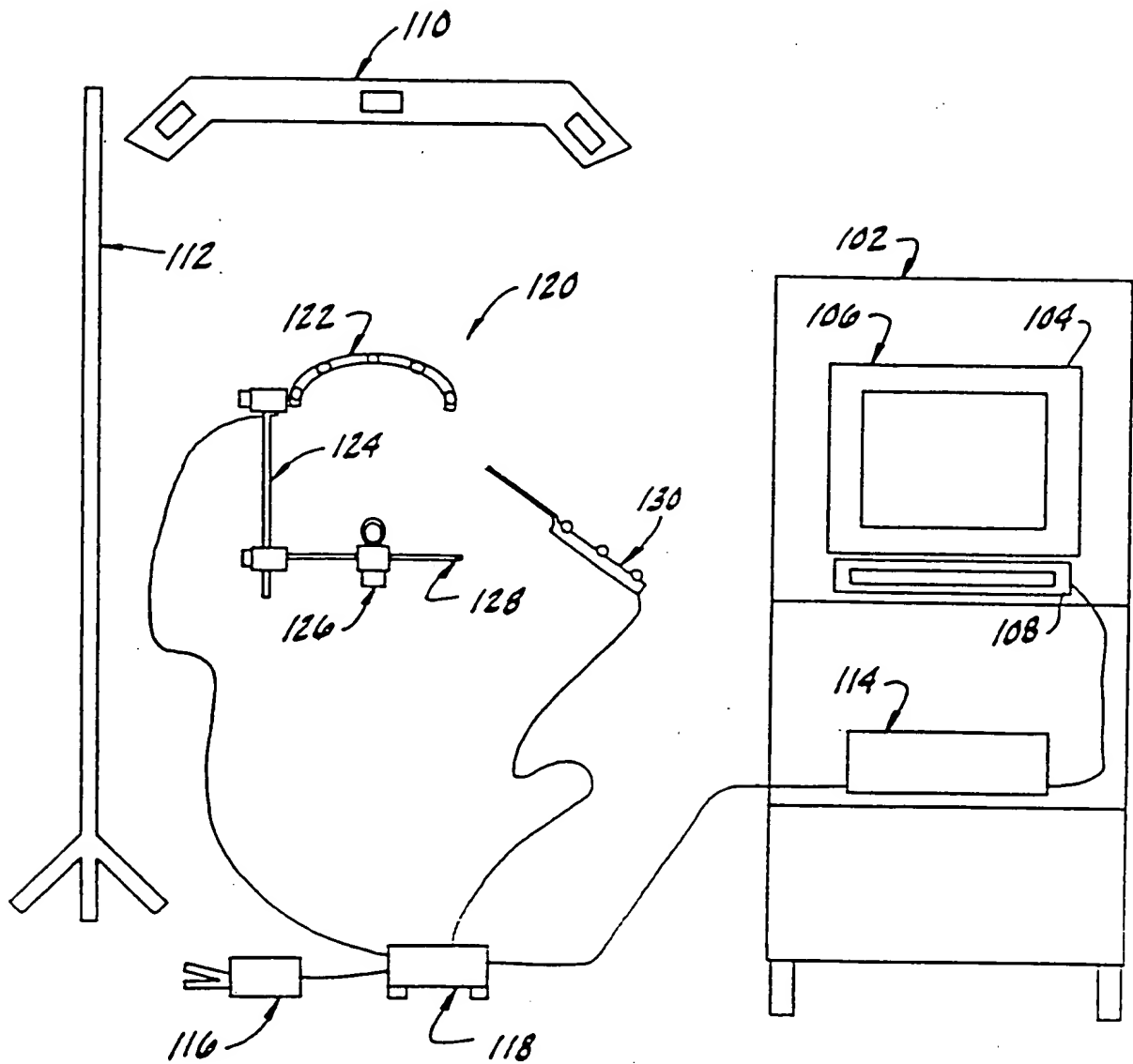


FIG. 11A

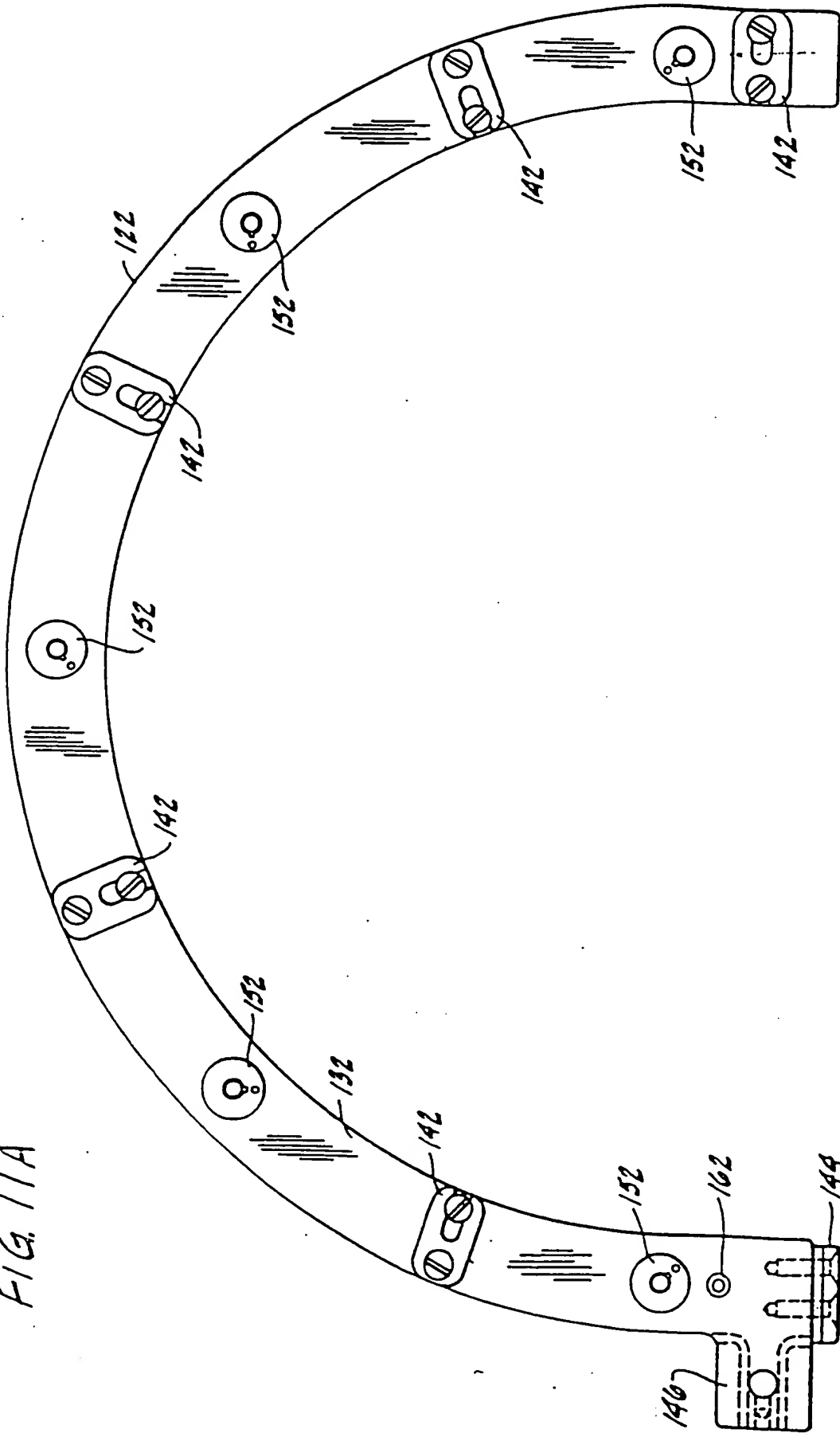


FIG. 11B

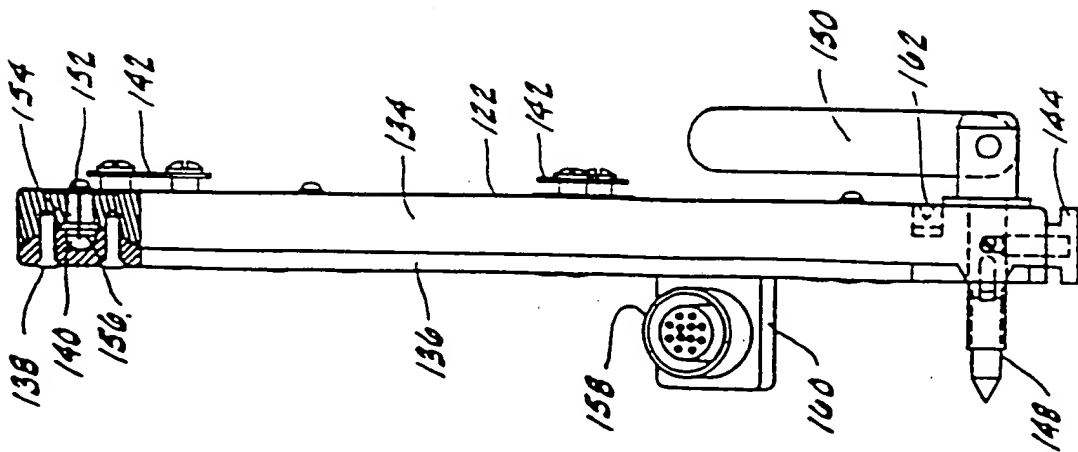


FIG. 11C

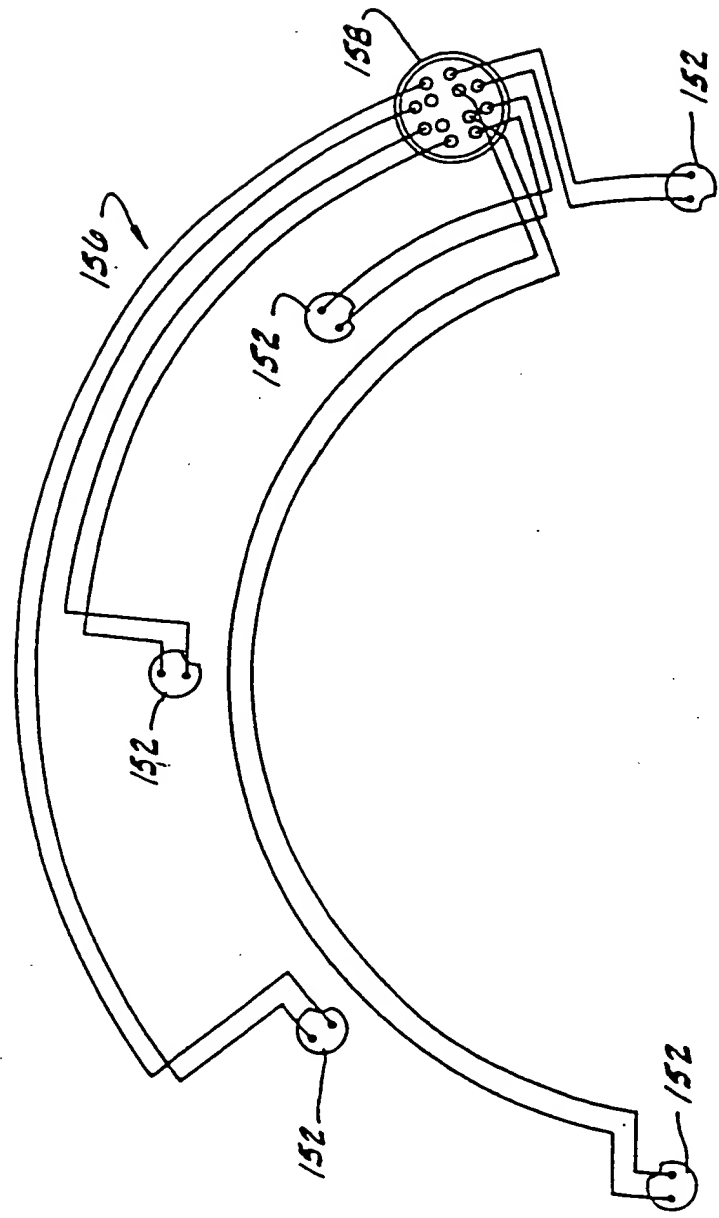


FIG. 11B

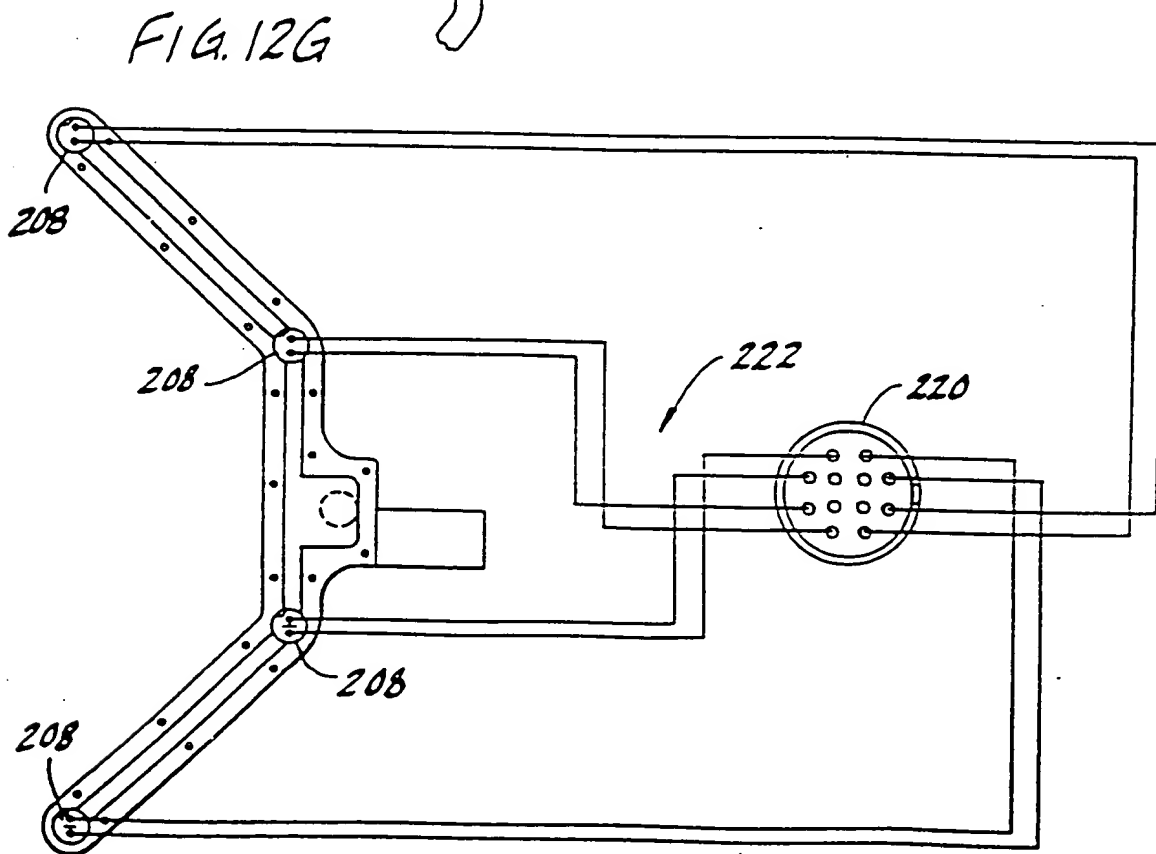
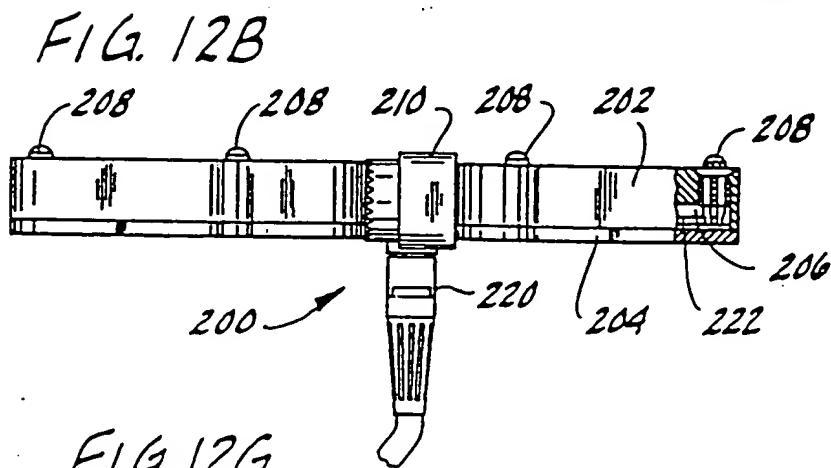
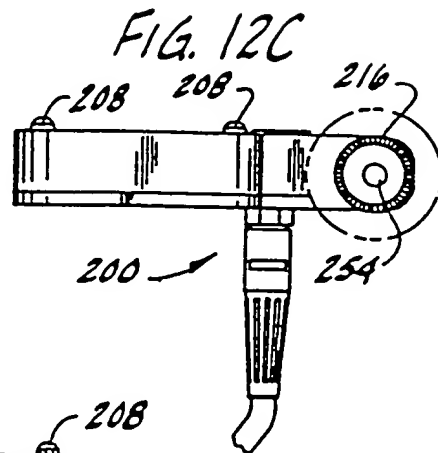
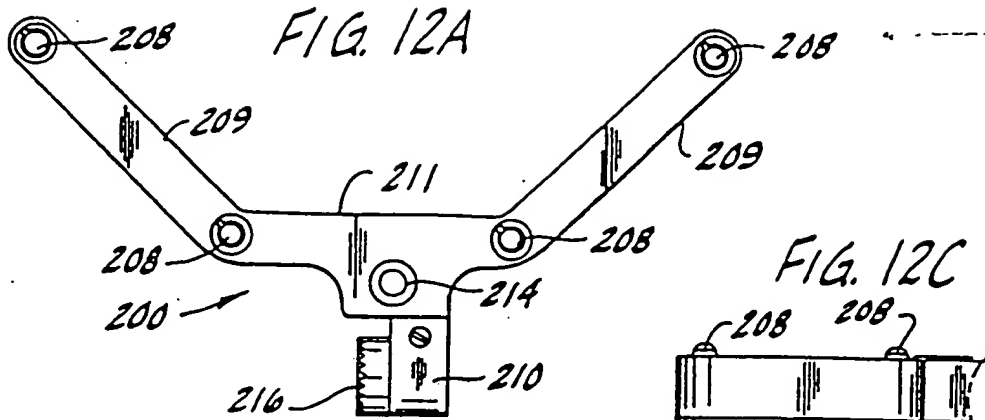


FIG. 12D

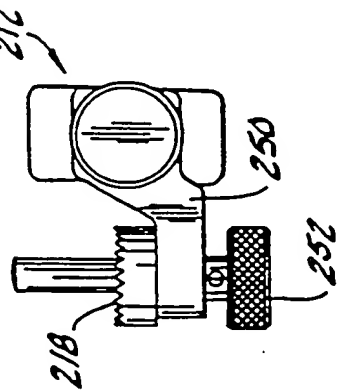


FIG. 12E

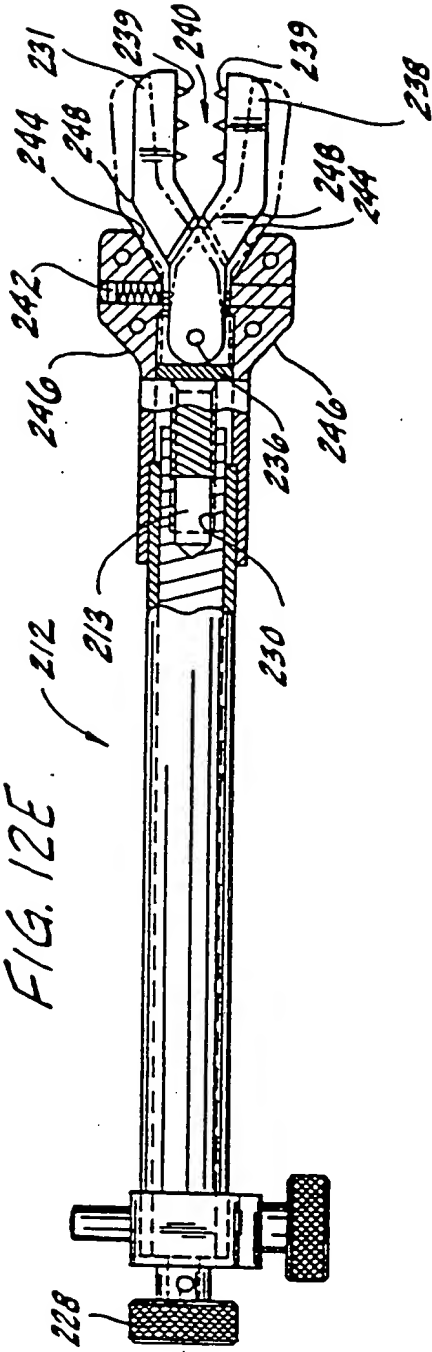


FIG. 12F

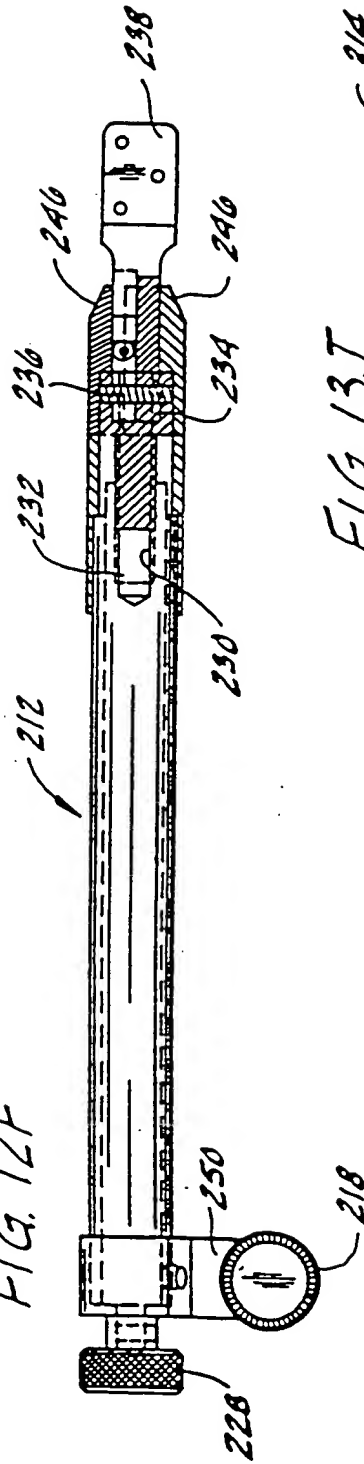


FIG. 13J

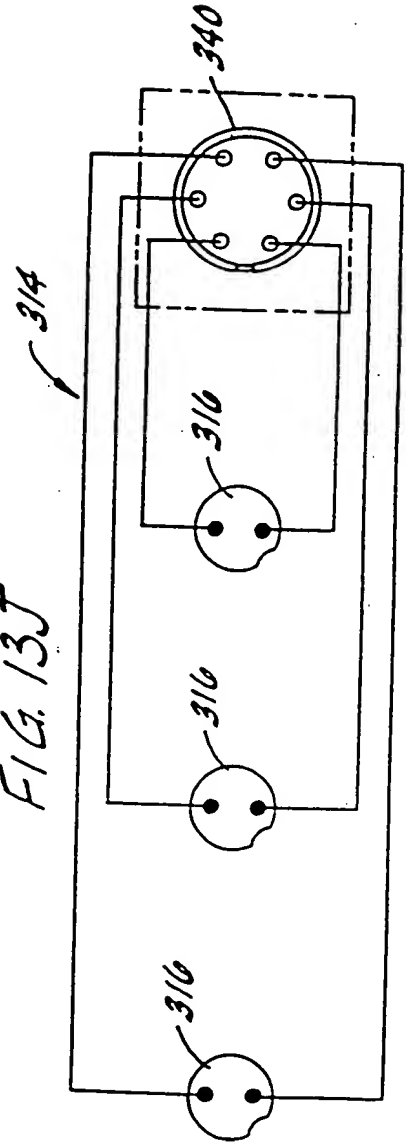




FIG. 13A

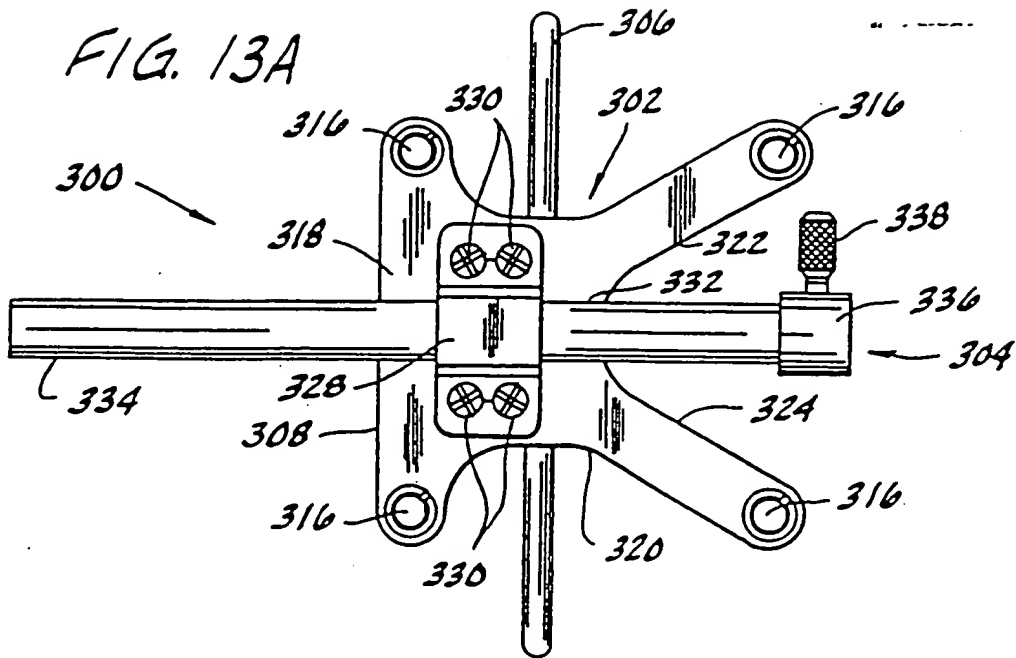


FIG. 13C

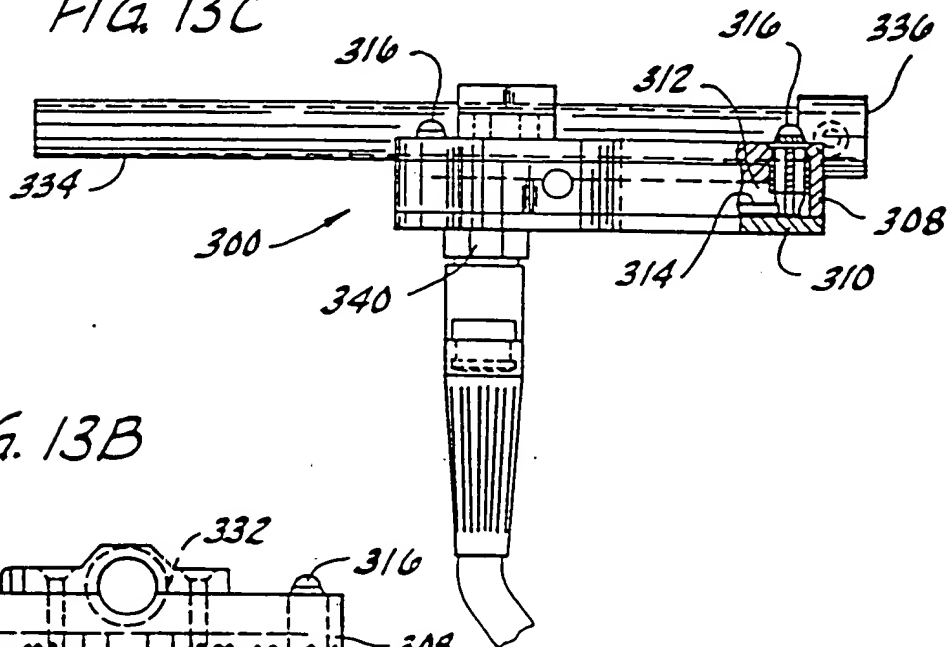


FIG. 13B

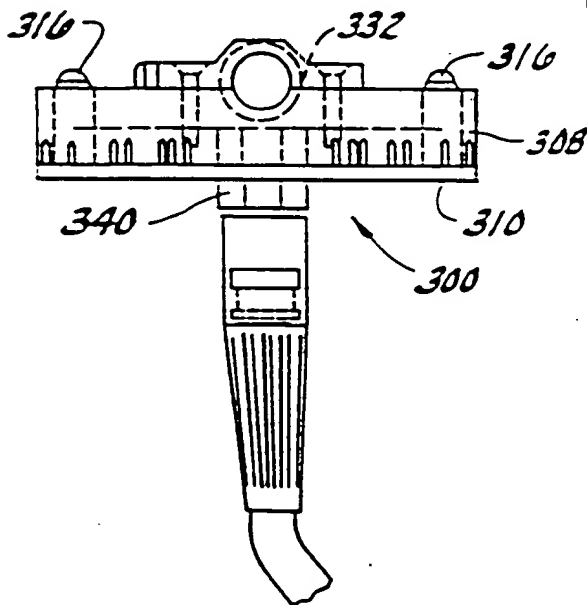
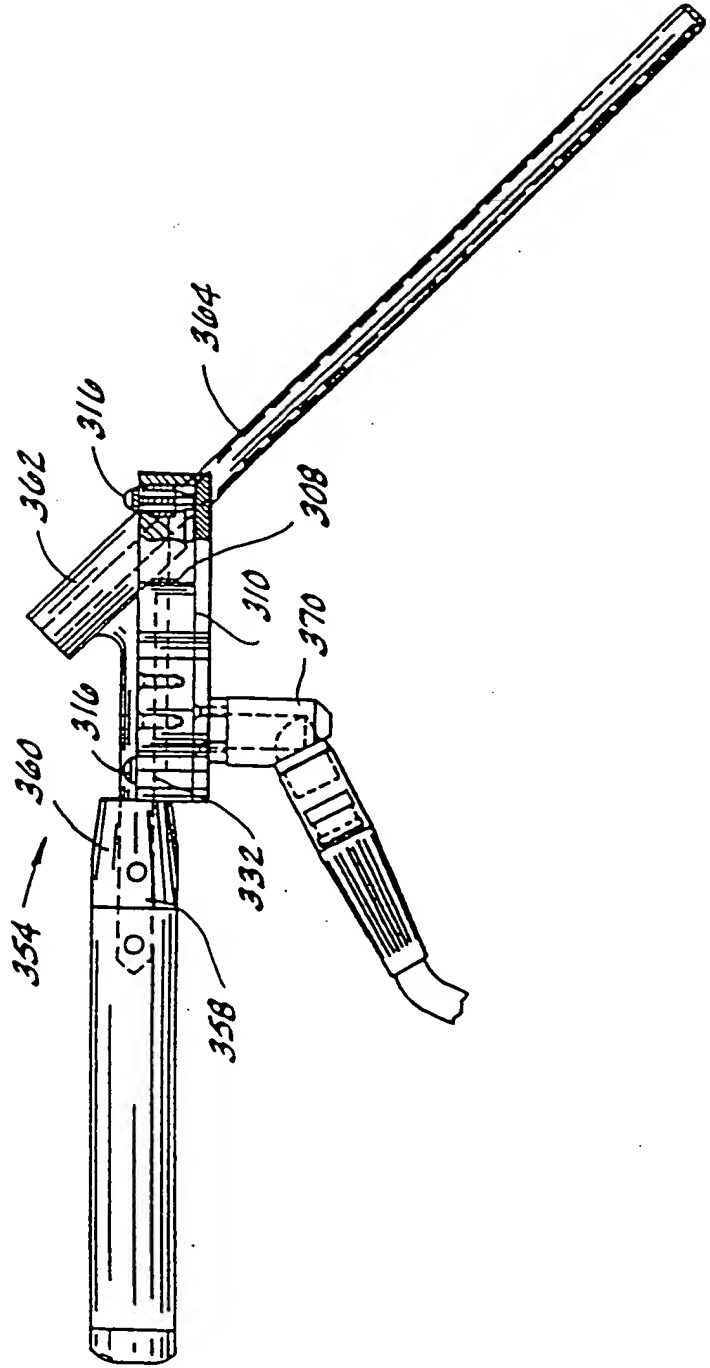
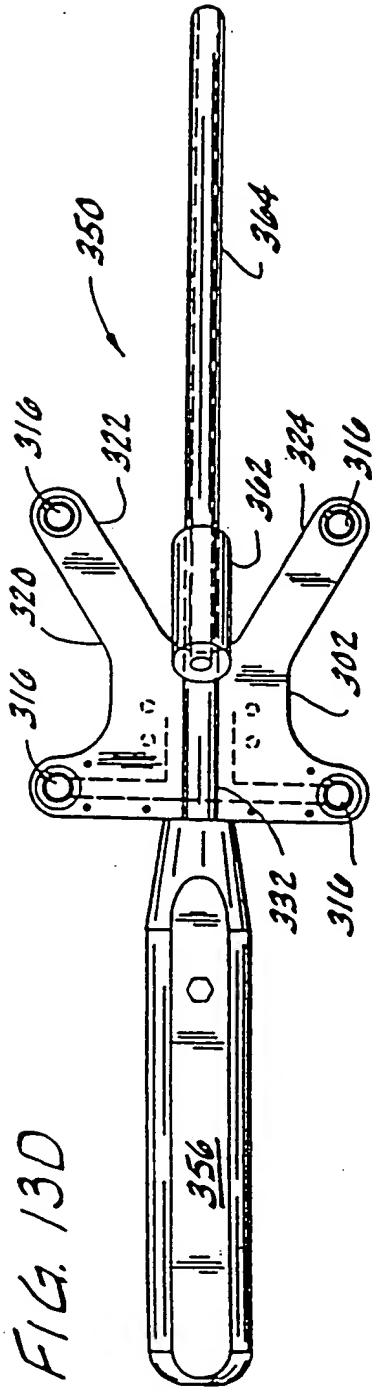


FIG. 130



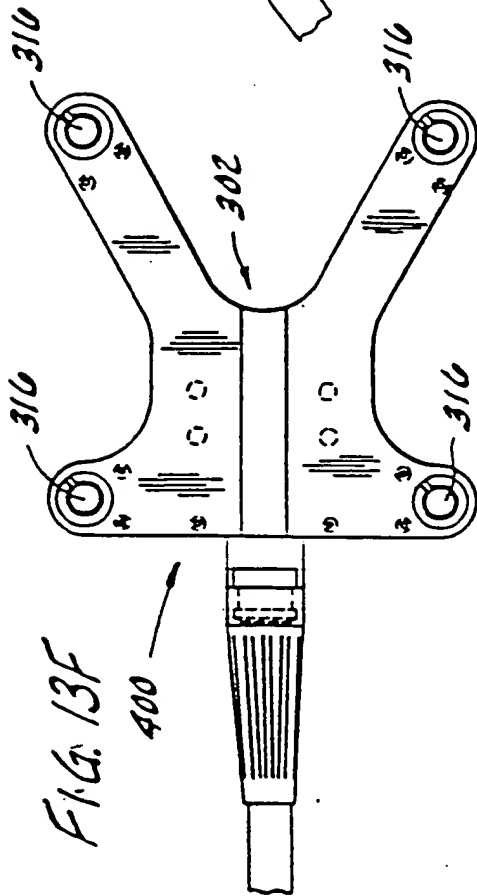


FIG. 13G

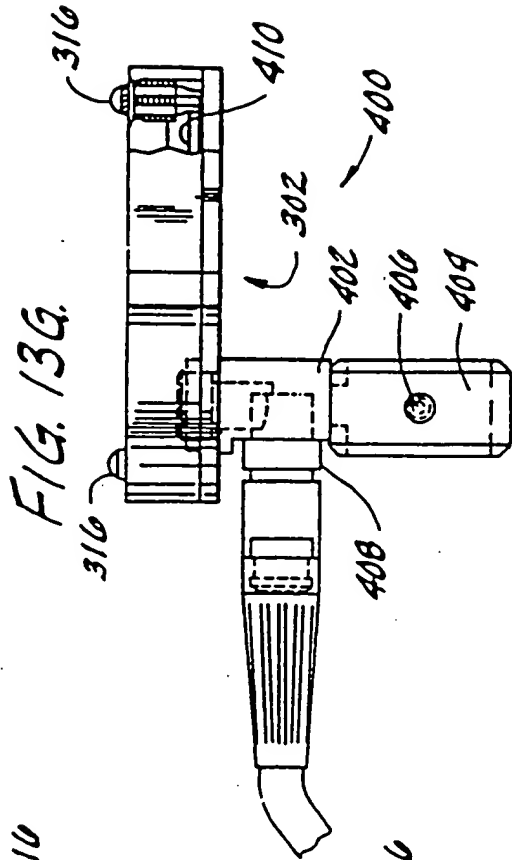


FIG. 13H

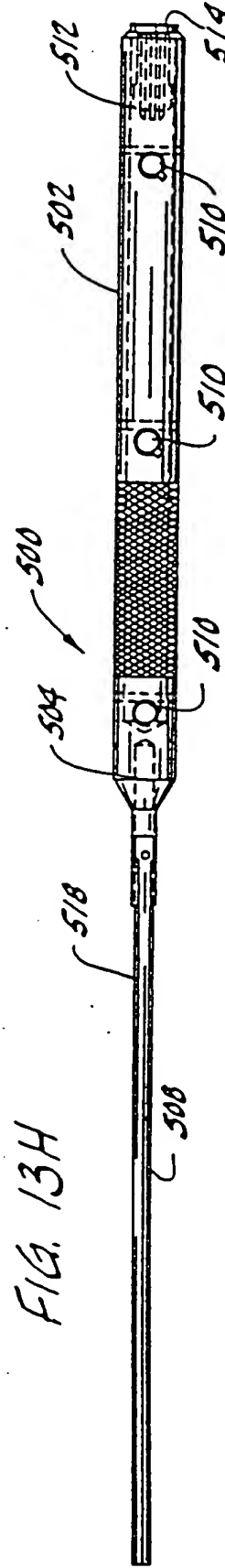


FIG. 13I

